

RECEIVED

APR 23 2009

Annual Drinking Water Quality Report
The Water We Drink
The Town of Federalsburg, Maryland
APRIL 22, 2009
PWSID # 0050002

WATER SUPPLY PROGRAM

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our water source is *5 wells, located in Chambers Park, Morris Avenue and Caroline Industrial Park. Our wells draw from the Federalsburg and Cheswold Aquifers.*

We have a source water protection plan available from our office that provides more information such as potential sources of contamination.

I'm pleased to report that our drinking water is safe and meets federal and state requirements.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

This report shows our water quality and what it means.

If you have any questions about this report or concerning your water utility, please contact **Michael Tipton at 410-754-9660**. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on **the first Monday of each month at 7:30PM in the Council meeting room.**

The Town of Federalsburg Water Department routinely monitors for contaminants in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1st to December 31st, **2008**. As water travels over the land or underground, it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily pose a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Picocuries per liter (pCi/L) - picocuries per liter is a measure of the radioactivity in water.

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal - (mandatory language) The "Goal"(MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

TEST RESULTS						
Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Radioactive Contaminants						
4. Beta/photon emitters	A-N B-N C-N D-N	A-9 B-8 C-11 D-10	PC/L	0	50	Decay of natural and manmade deposits
5. Alpha emitters	A-N B-N D-N	A-2 B-2 D-2	PC/L	0	15	Erosion of natural deposits
6. Combined radium	A-N B-N C-N	A-0.3 B-0.3 C-0.2	PC/L	0	5	Erosion of natural deposits
Inorganic Contaminants						
13. Chromium	B-N C-N D-N	B-2.2 C-1.4 D-3.0	Ppb	n/a	100	Discharge from steel and pulp mills; Erosion of natural deposits
14. Copper	N	6	Ppb	1300	AL=1300	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead	N	0.005	Ppm	0	0.015	Corrosion of household plumbing systems; erosion of natural deposits
16. Fluoride	A-N B-N C-N D-N	A-.25 B-.25 C-.3 D-.27	Ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories

Synthetic Organic Contaminants including Pesticides and Herbicides						
Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
23. 2,4-D	B-N	B-0.1	Ppb	70	70	Runoff from herbicide used on row crops
24. 2,4,5-TP (Silvex)	B-N	B-0.1	Ppb	50	50	Residue of banned herbicide
51. Pentachlorophenol	B-N	B-0.02	Ppb	0	1	Discharge from wood preserving factories
33. Di(2-ethylhexyl) phthalate	A-N B-N C-N D-N	A-0.6 B-2.4 C-0.4 D-3.7	Ppb	0	6	Discharge from rubber and chemical factories
Unregulated Contaminants						
Sodium	A-N B-N C-N D-N	A-8.3 B-8.0 C-6.9 D-7.1	Mg/l	n/a	n/a	Erosion of natural deposits
Dicamba		0.11	Ppb	n/a	n/a	

Table Key: A=Well3 B=Well5 C=Well7 D=Well8 E=Well9

Inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites, which can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.

EPA is reviewing the drinking water standard for arsenic because of special concerns that it may not be stringent enough. Arsenic is a naturally occurring mineral known to cause cancer in humans at high concentrations.

As you can see by the table, our system had no violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some contaminants have been detected. The EPA has determined that your water IS SAFE at these levels.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

MCL's are set at very stringent levels. To understand the possible health effects described for many regulated contaminants, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

Thank you for allowing us to continue providing your family with clean, quality water this year. In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit all of our customers. These improvements are sometimes reflected as rate structure adjustments. Thank you for understanding.

Please call our office if you have questions.

Mayor and Council of Federalsburg
P.O. Box 471
Federalsburg, Maryland 21632